APPENDIX - REFERENCES and RESOURCES

A. Sources

1. Software Engineering Standards Subcommittee of the Technical Committee on software Engineering of the IEEE Computer Society, relevant standards referenced by this document, notably "IEEE Standard for Developing Life Cycle Processes" (Std 1074-1997)

2. Andersen Consulting, Foundation Method 1, Version 9, Arthur Andersen & Co. 1992.

3. Robert Benjamin, Control of the Information System Development Cycle, Wiley Business Data Processing Library, John Wiley and Sons, N.Y., N.Y. , 1971.

4. Department of Agriculture, et. al., LeDag System Development Lifecycle Methodology, 1996.

5. George Jenkins, Information Systems: Policies and Procedures, Prentice Hall, Englewood Cliffs, N.J., 1997.

6. Raymond Manganelli & Mark Klein, The Reengineering Handbook, American Management Association, N.Y., N.Y., 1994.

7. Ronald Ross, Entity Modeling: Techniques and Application, Database Research Group, Boston, MA., 1988.

B. Websites

1. DENR/ITS Website – www.enr.state.nc.us/EHNR/DAP/webpage/admin/

   Select "Policies" to find the departmental Systems Development Methodology.

2. IRMC Website – www.state.nc.us/IRMC (select Policies and Standards page)

   Select "Policies and Standards" to find:
   - Process for Project Approval/Certification
   - Standard and Procedure for Estimating Project Cost and Delivery Dates
   - Independent QA Review Procedure
   - Project Proposal Checklist
   - Project Concept Document Template
   - Reporting Process and Monthly Project Status Report Template
   - Technical Capability Table

3. STA Website – www.state.nc.us/IRM/techarch

   This site contains
   - Full documentation on the Statewide Technical Architecture
   - Technical Capability Table (coming soon, for an electronic copy contact the IRM)

4. NCSB Website – www.state.nc.us/IRM/ncsb

   This site contains the NCSB Guide: support process for agencies, standards, training resources, design and programming guide.

5. IEEE website – http://standards.ieee.org/catalog/olis/gr_swe.html

   This site contains the IEEE standards for software engineering. 34 of the 47 standards have been downloaded for internal use by DENR (see C.3 below). To access other standards online, or to verify whether downloaded versions are current, contact the SDT Manager for access information.

C. Other Resources

The DENR LAN has the following information:

1. DENR Systems Development Methodology
   Format: MS Word
   Location: file://nroao01/sys/data/projectmanagement/SDLC

2. IRM Project Management Toolkit
   Format: MS Word, Excel
   Location: file://nroao01/sys/data/projectmanagement/PMToolkit

3. IEEE Standards
   Format: PDF
   Location: file://nroao01/sys/data/projectmanagement/IEEE

There are 47 Software Engineering Standards (as of July 1999) – 35 of these are available for reference. Note that these are current versions as of July 14, 1999. The user must verify version status before using the standards documents.

610.12-1990	IEEE Standard Glossary of Software Engineering Terminology
730-1998	IEEE Standard for Software Quality Assurance Plans
730.1-1995	IEEE Guide for Software Quality Assurance Plans (ANSI)
828-1998	IEEE Standard for Software Configuration Management Plans
829-1998	IEEE Standard for Software Test Documentation
830-1998	IEEE Recommended Practice for Software Requirements Specifications
982.1-1988	IEEE Standard Dictionary of Measures to Produce Reliable Software (ANSI)
982.2-1988	IEEE Guide for the Use of IEEE Standard Dictionary of Measures to Produce Reliable Software (ANSI)
1008-1987 (R1993)	IEEE Standard for Software Unit Testing (ANSI)
1012-1998	IEEE Standard for Software Verification and Validation
1012a-1998	IEEE Standard for Software Verification and Validation - Supplement to 1012-1998 - Content Map to IEEE 12207.1
1016-1998	IEEE Recommended Practice for Software Design Descriptions
1016.1-1993	IEEE Guide to Software Design Descriptions (ANSI)
1028-1997	IEEE Standard for Software Reviews
1042-1987 (R1993)	IEEE Guide to Software Configuration Management (ANSI)
1044-1993	IEEE Standard Classification for Software Anomalies (ANSI)
1044.1-1995	IEEE Guide to Classification for Software Anomalies (ANSI)
1045-1992	IEEE Standard for Software Productivity Metrics (ANSI)
1058-1998	IEEE Standard for Software Project Management Plans
1058.1-1987 (R1993)	IEEE Standard for Software Project Management Plans (ANSI)
1059-1993	IEEE Guide for Software Verification and Validation Plans (ANSI)
1061-1998	IEEE Standard for Software Quality Metrics Methodology
1062, 1998 Edition	IEEE Recommended Practice for Software Acquisition (includes IEEE 1062a)
1063-1987 (R1993)	IEEE Standard for Software User Documentation (ANSI)
1074-1997	IEEE Standard for Developing Software Life Cycle Processes
1074.1-1995	IEEE Guide for Developing Software Life Cycle Processes (ANSI)
1219-1998	IEEE Standard for Software Maintenance

1233, 1998 Edition	IEEE Guide for Developing System Requirements Specifications (including IEEE 1233a)
1362-1998	IEEE Guide for Information Technology-System Definition -Concept of Operation Document
1465-1998 (12119:1998 ISO/IEC)	Information Technology - Software Packages - Quality Requirements and Testing
1490-1998	IEEE Guide (©IEEE) - Adoption of PMI Standard- A Guide to the Project Management Body of Knowledge(©PMI)
1517-1999	IEEE Standard for Information Technology - Software Life Cycle Processes - Reuse Processes
12207.0-1996	IEEE/EIA Standard: Industry Implementation of International Standard ISO/IEC 12207:1995 Standard for Information Technology--Software Life Cycle Processes.
12207.1-1997	IEEE/EIA Standard: Industry Implementation of International Standard ISO/IEC 12207:1995 Standard for Information Technology-- Software Life Cycle Processes--Life cycle data
12207.2-1997	IEEE/EIA Standard: Industry Implementation of International Standard ISO/IEC 12207:1995 Standard for Information Technology-- Software Life Cycle Processes--Implementation considerations

End of Appendix Section